

CLAIMS:

1. A compaction wheel for landfill compactors, the compaction wheel including a rim and a plurality of cleats secured thereto with a plurality of spring clips, the rim including an exterior surface, an interior surface, and a
5 plurality of cleat-receiving apertures extending therethrough between the exterior and interior surfaces, each of the cleats including a ground-engaging portion, a lug portion extending from the ground-engaging portion, and a clip-receiving aperture extending through the lug portion, each of the cleats being mountable on the rim such that the ground-engaging portions project from the
10 exterior surface of the rim while the lug portions extend through the cleat-receiving apertures of the rim so that the clip-receiving apertures are situated adjacent the interior surface of the rim and lateral movement of the cleats relative to the rim is inhibited, the spring clips being adapted to secure the mounted cleats to the rim by engaging with the clip-receiving apertures and
15 interacting with the rim and cleats such that the ground-engaging portions of the cleats are pulled towards the rim.
2. The compaction wheel of claim 1, wherein the spring clips contact the interior surface of the rim.
3. The compaction wheel of claim 1 further including a plurality of
20 sleeves each lining a respective cleat-receiving aperture.
4. The compaction wheel of claim 3, wherein each sleeve includes a flange portion abutting against the interior surface of the rim and a portion of a respective spring clip such that the spring clips force the sleeves and ground-engaging portions of the cleats towards each other.

5. The compaction wheel of claim 3 or 4, wherein the sleeves are tack-welded to the rim.
6. The compaction wheel of claim 1, wherein the clip-receiving apertures include chamfered edges defining the openings thereof.
- 5 7. The compaction wheel of claim 1, wherein the clip-receiving apertures include rounded edges defining the openings thereof.
8. The compaction wheel of claim 1, wherein the lug portion of each cleat has a single clip-receiving aperture extending therethrough.
9. The compaction wheel of claim 1, wherein the lug portion of each
10 cleat has a plurality of clip-receiving apertures extending therethrough.
10. The compaction wheel of claim 1, wherein the spring clips are generally U-shaped and include a pair of arms which extend through respective clip-receiving apertures of the cleats.
11. The compaction wheel of claim 1, wherein the spring clips are
15 adapted to extend through only a single clip-receiving aperture of the cleats.
12. The compaction wheel of claim 1, wherein the cleats are mounted on the rim such that they extend in a plurality of substantially straight lines on the exterior surface of the rim.
13. The compaction wheel of claim 1, wherein the cleats are mounted
20 on the rim such that they form a plurality of chevron patterns on the exterior surface of the rim.
14. The compaction wheel of claim 1, wherein the cleats are mounted on the rim such that they form a plurality of helix patterns on the exterior surface of the rim.

15. A cleat assembly for compaction wheels of the type which are used on landfill compactors and which include a rim including an exterior surface, an interior surface, and a cleat-receiving aperture extending therethrough between the exterior and interior surfaces, the cleat assembly including a
5 cleat and a spring clip for securing the cleat to the rim, the cleat including a ground-engaging portion, a lug portion extending from the ground-engaging portion, and a clip-receiving aperture extending through the lug portion, the cleat being mountable on the rim such that the ground-engaging portion projects from the exterior surface of the rim while the lug portion extends
10 through the cleat-receiving aperture of the rim so that the clip-receiving aperture is situated adjacent the interior surface of the rim and lateral movement of the cleat relative to the rim is inhibited, the spring clip being adapted to secure the mounted cleat to the rim by engaging with the clip-receiving aperture and interacting with the rim and the cleat such that the
15 ground-engaging portion of the cleat is pulled towards the rim.

16. The cleat assembly of claim 15 further including a sleeve for lining the cleat-receiving aperture.

17. The cleat assembly of claim 16, wherein the sleeve includes a flange portion for abutting against the interior surface of the rim and a portion
20 of the spring clip such that the spring clip forces the sleeve and ground-engaging portion of the cleat towards each other.

18. The cleat assembly of claim 15, wherein the clip-receiving aperture includes chamfered edges defining the openings thereof.

19. The cleat assembly of claim 15, wherein the clip-receiving aperture

includes rounded edges defining the openings thereof.

20. The cleat assembly of claim 15, wherein the lug portion of the cleat has a single clip-receiving aperture extending therethrough.

21. The cleat assembly of claim 15, wherein the lug portion of the cleat
5 has a plurality of clip-receiving apertures extending therethrough.

22. The cleat assembly of claim 15, wherein the spring clip is generally U-shaped and includes a pair of arms which are adapted to extend through respective clip-receiving apertures of the cleat.

23. The cleat assembly of claim 15, wherein the spring clip is adapted
10 to extend through only a single clip-receiving aperture of the cleats.